Serial Flash PROTO™

Manual

All Mikroelektronika's development systems feature a large number of peripheral modules expanding microcontroller's range of application and making the process of program testing easier. In addition to these modules, it is also possible to use numerous additional modules linked to the development system through the I/O port connectors. Some of these additional modules can operate as stand-alone devices without being connected to the microcontroller.

Additional Board

MikroElektronika
SOFTWARE AND HARDWARE SOLUTIONS FOR EMBEDDED WORLD ...making it simple

Serial Flash PROTO

The Serial Flash PROTO additional board features 8Mbit flash memory that can be used by the microcontroller or some other device.

Key features:

- SPI communication;
- 75Mhz (max) clock signal;
- 3.3V DC power supply voltage; and
- low power consumption.

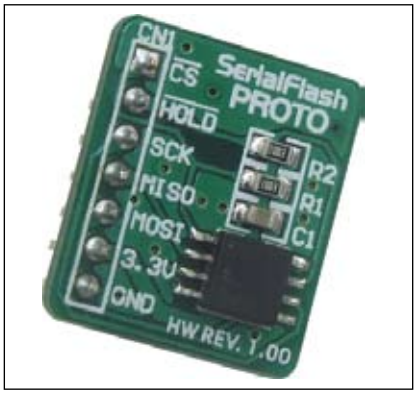

Figure 1: Serial Flash PROTO

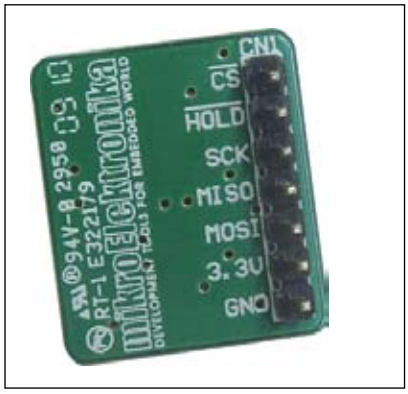

Figure 2: Back side of Serial Flash PROTO

How to connect the board?

The Serial Flash PROTO board is connected to other devices via the Serial Peripheral Interface (SPI). Connection is established via a 1x7 connector CN1 provided on the additional board. Next to the CN1 connector, there are designations indicating the function of pins provided on the additional board.

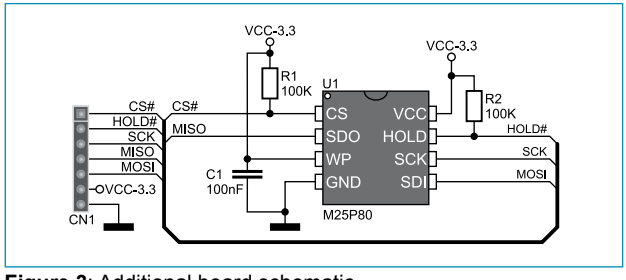

Figure 3: Additional board schematic

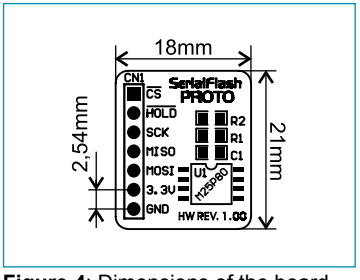

Figure 4: Dimensions of the board

The function of pins provided on the Serial Flash PROTO board:

CS - Chip select
HOLD - Hold
SCK - Serial Clock
MISO - Serial Data output
MOSI - Serial Data input
VCC-3.3 - 3.3V power supply voltage
GND - Ground

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